



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

DEC 20 2013

REPLY TO THE ATTENTION OF.

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

John Hudson
Manager of Health, Safety, and Environmental
Indiana Harbor Operations
3210 Watling Street
East Chicago, Indiana 46312

Re: Notice and Finding of Violation at Indiana Harbor Operations, East Chicago,
Indiana

Dear Mr. Hudson:

The U.S. Environmental Protection Agency has determined that Indiana Harbor Operations' (IHO) facility at 3210 Watling Street, East Chicago, Indiana, and its parent company, SunCoke Energy, LLC (SunCoke), are in violation of the Clean Air Act (the Act) and the Indiana State Implementation Plan (SIP). This Notice and Finding of Violation (NOV/FOV) is issued in accordance with Section 113(a) of the Act, 42 U.S.C. § 7413(a). A list of the requirements violated is provided below.

IHO's Title V permit contains operational limitations and emissions limits for, among other things, opacity and fugitive emissions. The purpose of these emissions limits is to help protect the public from unhealthy exposures to coke oven emissions, which contribute to respiratory problems, lung damage and premature deaths.

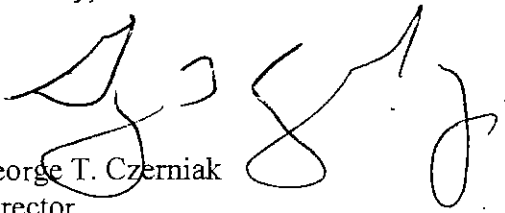
Based on data submitted to EPA on October 11, 2013 and November 14, 2013, IHO has violated and continues to violate provisions in its permit that govern opacity emissions from its coke oven batteries. Violation of these requirements is also a violation of the Indiana SIP, as well as Title V of the Act and the regulations at 40 C.F.R. Part 70, which require compliance with the terms and conditions of Title V permits.

Section 113 of the Act gives us several enforcement options. These options include: issuing an administrative compliance order, issuing an administrative penalty order, bringing a judicial civil action, and bringing a judicial criminal action.

Section 113 of the Act provides you with the opportunity to request a conference with us about the violations alleged in the NOV/FOV. A conference should be requested within 10 days following receipt of this notice and any conference should be held within 30 days following receipt of this notice. This conference will provide you a chance to present information on the identified violations, any efforts you have taken to comply, and the steps you will take to prevent future violations. Please plan for your facility's technical and management personnel to take part in these discussions. You may have an attorney represent you at this conference.

EPA's contact in this matter is Gina Harrison. You may call Ms. Harrison at (312) 353-6956 if you wish to request a conference. EPA hopes that this NOV/FOV will encourage IHO's compliance with the requirements of the Act.

Sincerely,


George T. Czerniak
Director
Air and Radiation Division

cc: Michael Hall, Northwest Regional Office
Tim J. Junk, Indiana Assistant Attorney General

Enclosure

**United States Environmental Protection Agency
Region 5**

IN THE MATTER OF:

Indiana Harbor Operations and
SunCoke Energy, Inc.

Proceedings Pursuant to
the Clean Air Act,
42 U.S.C. §§ 7401 *et seq.*

**NOTICE OF VIOLATION and
FINDING OF VIOLATION**

EPA-5-14-IN-01

NOTICE AND FINDING OF VIOLATION

The U.S. Environmental Protection Agency is issuing this Notice and Finding of Violation (NOV/FOV) to Indiana Harbor Operations (IHO) and SunCoke Energy, Inc. (Suncoke) for violations of the Clean Air Act (Act), 42 U.S.C. §§ 7401 *et seq.*, and the Indiana State Implementation Plan (SIP) at the IHO facility in East Chicago, Indiana.

This NOV/FOV is issued pursuant to Sections 113(a)(1) of the Act, 42 U.S.C. § 7413(a)(1). The authority to issue this NOV/FOV has been delegated to the Regional Administrator of EPA, Region 5, and redelegated to the Director, Air and Radiation Division.

STATUTORY AND REGULATORY BACKGROUND

Indiana State Implementation Plan

1. Section 110 of the Act, 42 U.S.C. § 7410, requires states to adopt, and submit to EPA for approval, SIPs providing for the implementation, maintenance, and enforcement of the National Ambient Air Quality Standards (NAAQS) promulgated by EPA pursuant to Section 109 of the Act, 42 U.S.C. § 7409. EPA has promulgated NAAQS for, among other pollutants, particulate matter (PM). Particulate matter emissions are also termed visible emissions, or opacity.
2. Pursuant to 40 C.F.R. § 52.23, failure to comply with any approved regulatory provision of a SIP renders the person so failing to comply in violation of a requirement of the applicable implementation plan and subject to enforcement under Section 113 of the Act, 42 U.S.C. § 7413.

3. On July 16, 2002, the Administrator of EPA approved 326 IAC Rule 5-1 as part of the federally enforceable SIP for the State of Indiana. 67 FR 46589. 326 IAC Rule 5-1-2 provides that sources of opacity located in the areas listed in 326 IAC Rule 5-1-1(c) shall limit opacity emissions to an average of twenty percent (20%) in any one six (6) minute averaging period as determined in 326 IAC 5-1-4. 326 IAC Rule 5-1-1(c)(4) lists Lake County as an area affected by this Rule.
4. The Indiana SIP at 326 IAC Rule 5-1-2(1)(B) provides that opacity from sources located in areas listed in 326 IAC Rule 5-1-1(c) shall not exceed sixty percent (60%) for more than a cumulative total of 15 minutes (sixty (60) readings as measured according to 40 C.F.R. Part 60, Appendix A, Method 9) in a six-hour period.
5. On October 28, 1975, the Administrator of EPA approved 326 IAC Rule 6-4-1 as part of the federally enforceable SIP for the State of Indiana. 40 FR 50032. 326 IAC Rule 6-4-1 defines fugitive dust as the generation of particulate matter to the extent that some portion of the material escapes beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located.
6. 326 IAC Rule 5-1-1(a) provides that 326 IAC Rule 5-1-1 applies to opacity... emitted by a facility, but shall not apply to facilities for which specific opacity limitations have been established, including 326 IAC Rule 6.8.
7. On May 30, 2008 the Administrator of EPA approved 326 IAC Rule 6.8-10-(2-4) as part of the federally enforceable SIP for the State of Indiana. 73 FR 23356. 326 IAC Rule 6.8-10-3(9) sets forth the requirement that any facility or operation not specified in 326 IAC Rule 6.8-10-3 shall meet a twenty percent (20%), three (3) minute average opacity standard, as determined by 40 C.F.R. Part 60, Appendix A, Method 9. 326 IAC Rule 6.8-10-3 does not specify charging, pushing, or coking operations and thus 326 IAC Rule 6.8-10-3(9) applies to charging, pushing, and coking operations at the Facility.
8. The Indiana SIP at 326 IAC Rule 6.8-10-2(9) defines "fugitive particulate matter" as any particulate matter emitted into the atmosphere other than through a stack.

Title V Requirements

9. Section 502(d)(1) of the Act, 42 U.S.C. § 7661a(d)(1), requires each state to develop and submit to EPA an operating permit program which meets the requirements of Title V. On December 4, 2001, EPA granted Indiana final approval of its Title V Clean Air Act Permit Program, effective November 30, 2001.

10. Section 502(a) of the Act, 42 U.S.C. § 7661a(a), and 40 C.F.R. § 70.7(b) provide that, after the effective date of any permit program approved or promulgated under Title V of the Act, no source subject to Title V may operate except in compliance with a Title V permit.
11. Indiana Department of Environmental Management (IDEM) issued to IHO a Title V Operating Permit T089-30043-00382 (Title V Permit) on December 20, 2011. The Title V Permit incorporates all limits and operational constraints set forth in the construction permit, 089-14241-00382, issued to IHO on November 30, 2001, including limits for emissions generated during charging, pushing, coking and bypass venting.
12. Part C.1 of IHO's Title V Permit, in accordance with Indiana SIP Rule 326 IAC 5-1-2 (Opacity Limitations), applies to all emission units at the facility unless otherwise stated in the Permit.
13. Indiana SIP Rule 326 IAC 5-1-1(a) applies to all emission units at the except for charging, pushing, and coking operations. 326 IAC Rule 6.8-10-3(9) applies to charging, pushing, and coking operations.
14. Part C.1(a) of IHO's Title V Permit limits opacity from bypass vent stacks and baghouse stacks at the facility to an average of twenty percent (20%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
15. Part C.1(b) of IHO's Title V Permit limits opacity from all emission units at the facility to no more than sixty percent (60%) for a cumulative total of fifteen (minutes sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9) in any six (6) hour period.
16. Part C.5(k) of IHO's Title V Permit requires that any facility or operation not specified in 326 IAC 6.8-10-3 shall meet a twenty percent (20%), three (3) minute average opacity standard.
17. IHO's charging, pushing, and coking operations are not specified in SIP Rule 326 IAC 6.8-10-3, and are thus each subject to the twenty percent (20%), three (3) minute average opacity limitation prescribed in Part C.5(k) of IHO's Title V Permit.
18. Part D.1.6(a)(2) of IHO's Title V Permit requires that pursuant to construction permit 089-14241-00382, charging emissions which escape the oven door shall be minimized by collecting in a mobile hood, which is connected to the charging/pushing unit, and exhausting through the charging stacks (Stack IDs 202, 202B, 203 and 203D).
19. Part D.1.6(b) of IHO's Title V Permit requires that pursuant to construction permit 089-14241-00382, pushing emissions which escape the cokeside oven door shall be

minimized by collecting in a stationary shed, which runs the length of the coke oven battery, and exhausted through the pusher stack (Stack ID 204).

20. Part D.1.6(b)(1) of IHO's Title V Permit requires that visible emissions escaping the stationary shed shall not exceed an average of twenty percent (20%) over a three (3) minute time period.

National Emission Standards for Hazardous Air Pollutants (NESHAP)
Requirements

21. Section 112(d) of the Act, 42 U.S.C. § 7412(d), authorizes EPA to promulgate regulations establishing emission standards for particular industrial sources that emit one or more of the Hazardous Air Pollutants (HAPs) listed in Section 112(b) of the Act in significant quantities.
22. On April 14, 2003, EPA promulgated the NESHAP for Coke Ovens: Pushing, Quenching, and Battery Stacks at 40 C.F.R. Part 63, Subpart CCCCC. Subpart CCCCC applies to owners or operators of a coke oven battery at a coke plant that is (or is part of) a major source of HAP emissions. A major source of HAP is a plant site that emits or has the potential to emit any single HAP at a rate of 10 tons or more per year or any combination of HAP at a rate of 25 tons or more per year. 40 C.F.R. § 63.7282.
23. 40 C.F.R. Part 63, Subpart CCCCC, defines an affected source as a new or existing coke oven battery constructed on or before July 3, 2001.
24. 40 C.F.R. § 63.7300(a) states, "as required by § 63.6(e)(1)(i), you must always operate and maintain your affected source, including air pollution control and monitoring equipment, in a manner consistent with good air pollution control practices for minimizing emissions at least to the levels required by this subpart."
25. 40 C.F.R. § 63.6(e)(1)(i) requires that at all times, including periods of startup, shutdown, and malfunction, the owner or operator must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.

FACTUAL BACKGROUND

26. IHO owns and/or operates a heat recovery metallurgical coke plant at 3210 Watling Street, East Chicago, Indiana (facility). The IHO facility is located within Lake County, Indiana.

27. The facility is classified as a major stationary source as that term is defined at 40 C.F.R. § 51.166(i)(4)(ii), and an existing coke oven battery as that term is defined at 40 C.F.R. § 63.7282.
28. IHO constructed its four coke oven batteries, designated Batteries A, B, C, and D, in 1998.
29. On August 30, 2013, EPA, via the United States Department of Justice (DOJ), requested that IHO hire an independent contractor to perform four consecutive weeks of opacity testing at charging, pushing, and quenching operations, at the push-charge machine baghouse stack, and at bypass vent stacks, to be performed in accordance with EPA Method 9-Visual Determination of the Opacity of Emissions From Stationary Sources (Method 9) at 40 C.F.R. § 60, Appendix A.
30. IHO responded to EPA's request on October 11, 2013 and November 14, 2013, and provided the results of the required four consecutive weeks of opacity testing at each such operation, stack, and vent.
31. In its November 14, 2013 response, IHO reported 127 opacity events measured at bypass vent stacks which exceeded the 20% over 6 minutes opacity limitation during the period September 30, 2013 to October 28, 2013. *See Table A.*
32. In its November 14, 2013 response, IHO reported 57 opacity events measured at the push-charge machine baghouse stack which exceeded the 20% over 6 minutes opacity limitation during the period September 30, 2013 to October 28, 2013. *See Table B.*
33. In its November 14, 2013 response, IHO reported 542 opacity events measured at the charge side of the battery during charging operations which exceeded the 20% over 3 minutes opacity limitation during the period September 30, 2013 to October 28, 2013. *See Table B.*
34. In its November 14, 2013 response, IHO reported 46 opacity events measured at the coke side of the battery during pushing operations which exceeded the 20% over 3 minutes opacity limitation during the period September 30, 2013 to October 28, 2013. *See Table B.*
35. In its November 14, 2013 response, IHO reported 57 opacity events measured at the coke side of the battery during coking operations which exceeded the 20% over 3 minutes opacity limitation during the period September 30, 2013 to October 28, 2013. *See Table B.*

VIOLATIONS OF EMISSIONS LIMITS AND OPERATING STANDARDS

36. IHO's fugitive charging opacity emitted in excess of its 20%, three (3) minute average opacity limitation for 542 separate 3-minute averages violates the operational standards of

its Title V Permit and Section 502(a) of the Act, 42 U.S.C. § 7661a(a), 40 C.F.R. § 70.7(b); the NESHAP at 40 C.F.R. § 63.6(e)(1); and the Indiana SIP at 326 IAC Rule 6.8-10-3(9).

37. IHO's fugitive pushing opacity emitted in excess of its 20%, three (3) minute average opacity limitation for 46 separate 3-minute averages violates the operational standards of its Title V Permit and Section 502(a) of the Act, 42 U.S.C. § 7661a(a), 40 C.F.R. § 70.7(b); the NESHAP at 40 C.F.R. § 63.6(e)(1); and the Indiana SIP at 326 IAC Rule 6.8-10-3(9).
38. IHO's fugitive coking opacity emitted in excess of its 20%, three (3) minute average opacity limitation for 57 separate 3-minute averages violates the operational standards of its Title V Permit, Section 502(a) of the Act, 42 U.S.C. § 7661a(a), 40 C.F.R. § 70.7(b); the NESHAP at 40 C.F.R. § 63.6(e)(1); and the Indiana SIP at 326 IAC Rule 6.8-10-3(9).
39. IHO's bypass venting opacity emitted in excess of its 20%, six (6) minute average opacity limitation for 127 separate 6-minute averages violates the operational standards of its Title V Permit, Section 502(a) of the Act, 42 U.S.C. § 7661a(a), 40 C.F.R. § 70.7(b); the NESHAP at 40 C.F.R. § 63.6(e)(1); and the Indiana SIP at 326 IAC Rule 5-1-2.
40. IHO's push-charge machine baghouse stack opacity emitted in excess of its 20%, six (6) minute average opacity limitation for 57 separate 6-minute averages violates the operational standards of its Title V Permit, Section 502(a) of the Act, 42 U.S.C. § 7661a(a), 40 C.F.R. § 70.7(b); the NESHAP at 40 C.F.R. § 63.6(e)(1); and the Indiana SIP at 326 IAC Rule 5-1-2.
41. IHO's failure on at least 174 separate occasions to limit opacity from all emission units at the facility to no more than sixty percent (60%) for a cumulative total of fifteen minutes in any six (6) hour period is a violation of its Title V Permit, Section 502(a) of the Act, 42 U.S.C. § 7661a(a), 40 C.F.R. § 70.7(b); the NESHAP at 40 C.F.R. § 63.6(e)(1); and the Indiana SIP at 326 IAC 5-1-2(c).
42. IHO's failure to minimize charging emissions which escaped the oven door by collecting such emissions in a mobile hood is a violation of its Title V Permit, Section 502(a) of the Act, 42 U.S.C. § 7661a(a), 40 C.F.R. § 70.7(b); and the NESHAP at 40 C.F.R. § 63.6(e)(1).
43. IHO's failure to minimize pushing emissions which escaped the cokeside oven door by collecting such emissions in a stationary shed is a violation of its Title V Permit, Section 502(a) of the Act, 42 U.S.C. § 7661a(a), 40 C.F.R. § 70.7(b); and the NESHAP at 40 C.F.R. § 63.6(e)(1).

ENVIRONMENTAL IMPACT OF VIOLATIONS

44. Excess coke oven emissions increase the amount of acid rain and public exposure to unhealthy particulate matter. Particulate matter, especially fine particulate, contributes to respiratory problems, lung damage and premature deaths.

12/20/13

Date

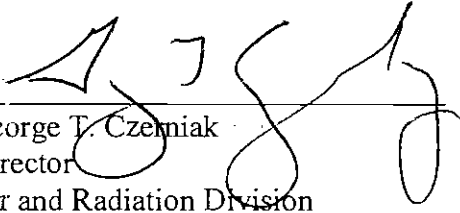

George T. Czerniak
Director
Air and Radiation Division

Table A: Total Excess Opacity as Measured at Bypass Vents.

Date	Time	Vent Stack	Opacity % (as a 6-min average)
10/02/13	12:30-18:30	D1	20.21
10/03/13	15:00-18:15	D1	45.21
10/03/13	15:00-18:15	D1	55.42
10/03/13	15:00-18:15	D1	20.42
10/04/13	15:30-18:30	D1	30.21
10/07/13	06:53-07:59	B3	40
10/07/13	06:53-07:59	B3	28.13
10/07/13	06:53-07:59	B3	25
10/07/13	06:53-07:59	B3	25
10/07/13	06:53-07:59	B3	25
10/07/13	06:53-07:59	B3	25
10/07/13	06:53-07:59	B3	25
10/10/13	15:00-18:19	D1	20.21
10/10/13	15:00-18:19	D1	20.83
10/10/13	15:00-18:19	D1	28.96
10/11/13	06:57-8:00	C4	48.96
10/11/13	06:57-8:00	C4	50
10/11/13	06:57-8:00	C4	50
10/11/13	06:57-8:00	C4	50
10/11/13	06:57-8:00	C4	50
10/11/13	06:57-8:00	C4	50
10/11/13	06:57-8:00	C4	43.75
10/11/13	06:57-8:00	C4	30
10/11/13	06:57-8:00	C4	22.5
10/11/13	8:00-15:00	C4	28.75
10/11/13	8:00-15:00	C4	23.54
10/11/13	15:15-18:15	D1	20.63
10/11/13	15:15-18:15	D1	43.75
10/11/13	15:15-18:15	D1	71.88
10/11/13	15:15-18:15	D1	76.67
10/11/13	15:15-18:15	D1	57.71
10/11/13	15:15-18:15	D1	45.83
10/11/13	15:15-18:15	D1	32.08
10/12/13	15:15-18:14	A1	28.54
10/12/13	15:15-18:14	A1	26.25

10/12/13	15:15-18:14	D1	23.13
10/12/13	15:15-18:14	D1	65.83
10/12/13	15:15-18:14	D1	60.63
10/12/13	15:15-18:14	D1	55
10/12/13	15:15-18:14	D1	36.67
10/12/13	15:15-18:14	D1	23.54
10/13/13	15:15-18:13	D1	42.71
10/13/13	15:15-18:13	D1	76.46
10/13/13	15:15-18:13	D1	56.88
10/13/13	15:15-18:13	D1	22.08
10/14/13	15:05-18:11	A1	21.46
10/14/13	15:05-18:11	A1	38.96
10/14/13	15:05-18:11	D1	23.13
10/14/13	15:05-18:11	D1	42.29
10/14/13	15:05-18:11	D1	21.25
10/15/13	15:45-18:10	A1	21.46
10/16/13	15:15-18:08	A1	26.25
10/16/13	15:15-18:08	A1	21.25
10/16/13	15:15-18:08	A4	56.04
10/16/13	15:15-18:08	A4	76.88
10/16/13	15:15-18:08	A4	69.38
10/16/13	15:15-18:08	A4	55
10/16/13	15:15-18:08	A4	36.67
10/16/13	15:15-18:08	A4	23.75
10/17/13	15:15-18:07	A4	46.25
10/17/13	15:15-18:07	A4	82.5
10/17/13	15:15-18:07	A4	77.71
10/17/13	15:15-18:07	A4	45.21
10/17/13	15:15-18:07	D2	23.75
10/17/13	15:15-18:07	D2	50.42
10/17/13	15:15-18:07	D2	27.08
10/18/13	15:15-18:05	A4	26.25
10/18/13	15:15-18:05	A4	69.17
10/18/13	15:15-18:05	A4	77.08
10/18/13	15:15-18:05	A4	71.25
10/18/13	15:15-18:05	A4	60.83
10/18/13	15:15-18:05	A4	37.08
10/18/13	15:15-18:05	A4	24.17

10/18/13	15:15-18:05	D2	29.17
10/18/13	15:15-18:05	D2	26.04
10/18/13	15:15-18:05	D2	37.5
10/18/13	15:15-18:05	D2	20.21
10/19/13	15:15-18:03	A4	33.75
10/19/13	15:15-18:03	A4	58.75
10/19/13	15:15-18:03	A4	65.83
10/19/13	15:15-18:03	A4	48.75
10/19/13	15:15-18:03	A4	37.92
10/20/13	15:15-18:02	A4	77.5
10/20/13	15:15-18:02	A4	52.5
10/20/13	15:15-18:02	D2	42.5
10/20/13	15:15-18:02	D2	33.33
10/20/13	15:15-18:02	D2	27.29
10/20/13	15:15-18:02	D2	21.25
10/21/13	15:15-18:00	A4	26.04
10/21/13	15:15-18:00	A4	71.67
10/21/13	15:15-18:00	A4	48.54
10/21/13	15:15-18:00	A4	28.75
10/21/13	15:15-18:00	D2	30.21
10/21/13	15:15-18:00	D2	82.08
10/21/13	15:15-18:00	D2	44.58
10/22/13	15:15-17:59	A4	30.83
10/22/13	15:15-17:59	A4	71.46
10/22/13	15:15-17:59	A4	52.5
10/22/13	15:15-17:59	A4	36.67
10/22/13	15:15-17:59	A4	21.67
10/22/13	15:15-17:59	D2	74.38
10/22/13	15:15-17:59	D2	67.92
10/22/13	15:15-17:59	D2	39.17
10/23/13	15:15-17:50	A4	26.04
10/23/13	15:15-17:50	A4	48.33
10/23/13	15:15-17:50	A4	70.42
10/23/13	15:15-17:50	A4	50.42
10/23/13	15:15-17:50	A4	30.63
10/23/13	15:15-17:50	D2	48.33
10/23/13	15:15-17:50	D2	61.67
10/23/13	15:15-17:50	D2	43.75

10/24/13	15:00-17:56	A4	60.63
10/24/13	15:00-17:56	A4	52.08
10/24/13	15:00-17:56	A4	36.25
10/24/13	15:00-17:56	A4	20.42
10/25/13	15:15-17:55	A4	46.88
10/25/13	15:15-17:55	A4	72.08
10/25/13	15:15-17:55	A4	36.25
10/26/13	15:15-17:53	A4	27.71
10/26/13	15:15-17:53	A4	31.46
10/27/13	15:00-17:52	A4	33.96
10/27/13	15:00-17:52	A4	57.08
10/27/13	15:00-17:52	A4	68.75
10/27/13	15:00-17:52	A4	71.25
10/27/13	15:00-17:52	A4	51.67
10/27/13	15:00-17:52	A4	20.63

Table B: Total Excess Opacity as Measured at Pushing, Charging, the PCM Baghouse, and Push-Coking.

Date	Battery	Oven	Pushing Opacity %	Charging Opacity %	PCM Baghouse Opacity %	Push-Coking Opacity %
9/30/13	A	42				36.25
9/30/13	D	1	39.17			21.67
10/01/13	A	66		71.67		
10/01/13	A	62		69.58		
10/01/13	A	58		46.67		
10/01/13	A	54		41.67		
10/01/13	A	50		59.17		
10/01/13	A	46		33.33		
10/01/13	A	43		48.75		
10/01/13	A	42	25	44.17		
10/01/13	A	38		45.92		
10/01/13	A	30		20.83		
10/01/13	A	26		60		
10/01/13	A	18		28.75		
10/01/13	A	14		48.75		
10/01/13	A	6		33.75		
10/01/13	A	2		33.75		
10/01/13	A	64		52.92		
10/02/13	D	5		46.25		
10/02/13	D	17		58.33		
10/02/13	D	21		70.83		
10/02/13	D	25		42.92		
10/02/13	D	29		39.58		
10/02/13	D	33		68.33		
10/02/13	D	37		62.08		
10/02/13	D	41		52.50		
10/02/13	D	45		39.58		
10/03/13	D	66		76.25		
10/04/13	A	65		85		
10/04/13	A	61		60.42		
10/04/13	A	49		72.5		
10/04/13	A	41		81.25		
10/04/13	A	37		81.25		
10/04/13	A	33		73.33		
10/04/13	A	29		74.58		

10/04/13	A	25		65.42		
10/04/13	A	21		87.50		
10/04/13	A	17		81.25		
10/04/13	A	13		49.58		
10/04/13	A	9		56.25		
10/04/13	A	5		93.75		
10/04/13	A	4		83.75		
10/04/13	A	1		87.50		
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10/04/13	D	5		56.25		
10/04/13	D	21		33.33		
10/04/13	D	29		29.17		
10/04/13	D	33		39.17		
10/04/13	D	37		57.92		
10/04/13	D	41		62.92		29.17
10/04/13	D	45		66.67		
10/04/13	D	49		44.17		
10/04/13	D	53		41.25		
10/04/13	D	64		30		
10/04/13	D	25		37.5		
10/04/13	D	9		26.25		
10/05/13	A	66		91.67	36.67	
10/05/13	A	62		73.33		
10/05/13	A	58	28.33	66.25		
10/05/13	A	54		77.08		
10/05/13	A	51		77.08		
10/05/13	A	50	42.08	83.33		
10/05/13	A	30		81.25	21.25	
10/05/13	A	22		87.5		
10/05/13	A	18		85.42		
10/06/13	A	67		100	29.58	
10/06/13	A	61		85.42		
10/06/13	A	60	28.33	66.25		
10/06/13	A	53		91.67		
10/06/13	A	49	23.75	100	40	
10/06/13	A	45		91.67		
10/06/13	A	43	26.25	87.5		

10/06/13	A	37		83.33		
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10/06/13	A	33		79.17		
10/06/13	A	29		64.58		
10/06/13	A	25		85.42	29.58	
10/06/13	A	23		81.25	26.04	
10/06/13	A	21		85.42	26.04	
10/06/13	A	17		93.75	32.71	
10/06/13	D	29		23.75		
10/06/13	D	33		26.25		
10/06/13	D	49		30		
10/06/13	D	53		30.42		
10/06/13	D	61		20.42		
10/06/13	D	65		29.17		
10/07/13	A	66		32.92		
10/07/13	A	62		20.42		
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10/07/13	D	7	29.17	22.08		
10/07/13	D	15		47.5		
10/07/13	D	34		21.67		
10/07/13	D	46		33.75		
10/07/13	D	54		37.92		
10/07/13	D	66		66.67		
10/08/13	A	67		30		
10/08/13	A	61		36.67		29.17
10/08/13	A	55		58.33		
10/08/13	A	48		29.17		
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10/08/13	A	37		30		
10/08/13	A	35		40		
10/08/13	A	33		30		
10/08/13	A	29		23.75		
10/08/13	A	25		32.92		
10/08/13	A	21		47.5		
10/08/13	A	17		30.42		
10/08/13	C	24		47.5		

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10/08/13	D	2		31.25		
10/08/13	D	5		37.92		
10/08/13	D	9		31.67		
10/08/13	D	13		39.17		
10/08/13	D	17		57.5	23.54	
10/08/13	D	20		25.42		
10/09/13	A	66		25.83		
10/09/13	A	64		42.92		
10/09/13	A	62		57.08		
10/09/13	A	50		24.58		
10/09/13	A	44		27.08		
10/09/13	A	46		42.08		
10/09/13	A	40		72.5		
10/09/13	A	28		21.67		
10/09/13	A	22		25		
10/09/13	A	18		25		
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10/09/13	D	1	35	46.25		
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10/09/13	D	7	37.5	55.83	22.92	32.92
10/09/13	D	10		45		25.83
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10/09/13	D	18		46.67		
10/09/13	D	34		33.33		
10/09/13	D	42		34.58		
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10/09/13	D	54		45		
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10/09/13	D	62		35		
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10/10/13	A	37				30
10/10/13	A	36				30

10/10/13	A	29				28.33
10/10/13	D	5		47.08		22.92
10/10/13	D	4		50		
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10/10/13	D	13		43.33		
10/10/13	D	17		49.17		
10/10/13	D	25		38.75		
10/10/13	D	29		49.58		
10/10/13	D	33		40		
10/10/13	D	36		41.67		30.83
10/10/13	D	37		59.58		
10/10/13	D	49		46.67		
10/10/13	D	53		60.83		
10/10/13	D	57		46.67		
10/10/13	D	61		42.08		21.67
10/10/13	D	65		56.67		
10/11/13	A	62		23.75		
10/11/13	A	54		42.08		39.17
10/11/13	A	50		40		
10/11/13	A	47		37.08		
10/11/13	A	46		31.25		
10/11/13	A	38		23.75		29.17
10/11/13	A	22		65		
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10/11/13	C	58		65.42		
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10/11/13	D	26		82.08	28.13	
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10/11/13	D	34		77.5	27.08	

10/11/13	D	35		66.67		
10/11/13	D	38		45.83		
10/11/13	D	42		68.75		
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10/11/13	D	51	35.42	85.42	22.92	
10/11/13	D	54		92.5	38.54	
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10/12/13	A	55		32.5		
10/12/13	A	53		24.58		
10/12/13	A	21		25.83		
10/12/13	A	7		27.08		
10/12/13	A	5		23.75		
10/12/13	A	1		22.92		
10/12/13	D	3	26.67	86.25	45.42	
10/12/13	D	6		76.25	31.04	
10/12/13	D	9		52.08		
10/12/13	D	12		45.83		
10/12/13	D	22	27.08	66.25	20.83	
10/12/13	D	25		37.5		31.25
10/12/13	D	29		56.25		
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10/12/13	D	40		47.08		
10/12/13	D	49		55.42		
10/12/13	D	53		33.33		
10/13/13	A	66		23.75		
10/13/13	A	62		67.92	22.08	21.66
10/13/13	A	54		25		
10/13/13	A	50		55.42		
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10/13/13	D	4		75.41	26.04	

10/13/13	D	10		62.5		
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10/13/13	D	30		82.08		
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10/14/13	A	45				45.83
10/14/13	D	1		47.91		
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10/14/13	D	21		47.08		
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10/14/13	D	51		50.83		
10/14/13	D	61		29.58		
10/14/13	D	65		59.16		
10/15/13	A	66		25.83		
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10/15/13	A	50		58.75		
10/15/13	A	46		32.08		
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10/15/13	A	34		36.67		

10/15/13	A	30		32.08		
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10/15/13	D	8		36.66		
10/15/13	D	10		22.08		
10/15/13	D	12		42.08		
10/15/13	D	14	20.83	35.41		30
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10/15/13	D	26		29.17		
10/15/13	D	32		47.91		
10/15/13	D	34		33.33		
10/15/13	D	51		27.08		
10/16/13	A	65		47.5		
10/16/13	A	61		42.08		
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10/16/13	A	13		23.33		
10/16/13	A	11		23.75		
10/16/13	A	1		21.25		
10/16/13	D	13		27.5		21.67
10/16/13	D	17		54.16		50
10/16/13	D	18				22.08
10/16/13	D	36		91.25		39.58
10/16/13	D	41				26.67
10/16/13	D	42		29.58		
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10/16/13	D	57		34.17		23.75
10/17/13	A	66		56.67		

10/17/13	A	62		41.25		25
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10/17/13	A	50		29.17		
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10/17/13	D	6		57.08		
10/17/13	D	22		62.5		
10/17/13	D	26		32.92		
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10/17/13	D	55		26.25		
10/18/13	A	65	25	73.75	35.21	
10/18/13	A	61	20.83	76.25	25	25
10/18/13	A	49		80.42	28.33	
10/18/13	A	43		58.33		
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10/19/13	A	66		87.5	30.21	
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10/19/13	A	26	56.25	85.42	20.83	22.92
10/19/13	A	22		68.33		
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10/19/13	B	66		87.5		
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10/19/13	B	34		70.83		
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10/20/13	A	29		49.58		
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10/21/13	A	66		89.58	20.63	
10/21/13	A	58	25	27.08		
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10/21/13	A	53	33.33	78.33		
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10/21/13	A	46	20.83	64.58		
10/21/13	A	33		52.08		
10/21/13	A	30		62.5		
10/21/13	A	22		56.25		
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10/21/13	D	26		27.08		
10/21/13	D	30		26.67		
10/22/13	A	65		91.67		
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10/22/13	A	9		47.92		
10/22/13	A	1		25.42		
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10/22/13	D	35		30		
10/22/13	D	39		54.58		
10/22/13	D	49		29.58		
10/22/13	D	56		30		
10/23/13	A	66		47.92		
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10/23/13	A	46		55.42		
10/23/13	A	47		36.25		
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10/23/13	D	4		34.58		
10/23/13	D	6		46.67		

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10/23/13	D	18		31.25		
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10/24/13	A	25		31.67		
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10/25/13	A	66		53.75		21.67
10/25/13	A	62		34.17		
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10/27/13	A	66b	31.25			
10/27/13	A	62	29.17	77.5	29.17	
10/27/13	A	58	29.17	56.25		
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10/27/13	A	46		69.17	25	
10/27/13	A	34		69.58		
10/27/13	A	28		71.25		
10/27/13	A	22		86.67	21.25	
10/27/13	A	12	20.83	66.25		
10/27/13	A	4		81.25		
10/27/13	A	30		66.25		
10/27/13	C	35		37.5		
10/27/13	C	39		67.92		
10/27/13	C	47		62.5		
10/27/13	C	51		25		
10/27/13	C	55		24.58		
10/27/13	C	67		32.08		
10/27/13	C	44		41.25		
10/27/13	C	60		35		
10/28/13	A	51		23.75		
10/28/13	A	49		29.17		
10/28/13	A	42		20.42		
10/28/13	A	47		51.25		
10/28/13	A	39		40.83		

10/28/13	A	37	23.75	45.42		23.33
10/28/13	A	33		20.83		
10/28/13	D	9		62.5	25.83	
10/28/13	D	12		34.58		
10/28/13	D	13		26.25		
10/28/13	D	20		70.83		
10/28/13	D	21		66.67		

CERTIFICATE OF MAILING

I, Loretta Shaffer, certify that I sent a Notice and Finding of Violation, No. EPA-5-14-IN-01, by Certified Mail, Return Receipt Requested, to:

John Hudson
Manager of Health, Safety, and Environmental
Indiana Harbor Coke Company
3210 Watling Street
East Chicago, Indiana 46312

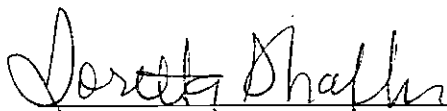
I also certify that I sent copies of the Notice of Violation and Finding of Violation by first class mail to:

Katherine Gates
SunCoke Energy, Incorporated
1011 Warrenville Rd., Ste 600
Lisle, Illinois 60532

Michael Hall
Northwest Regional Office
Indiana Department of Environmental Management
8380 Louisiana Street
Merrillville, Indiana 46410-9201

Tim Junk
Indiana Assistant Attorney General
Office of the Attorney General of Indiana
100 North Senate Avenue, Room 1307
Indianapolis, Indiana 46204

on the 30 day of Dec, 2013.


Loretta Shaffer, Secretary
AECAB, MN-OH

CERTIFIED MAIL RECEIPT NUMBER: 7009 1680 0000 7669 5466